



PN01-357-3-9



PN01-511-2-30



PN01-357-4-16

## Direct Push Waste Zone Vapor Port Probe– Type B Probe

### *Problem*

INEEL's Radioactive Waste Management Complex remediation project needed to measure the concentration of volatile contaminants in buried waste without exposing workers to transuranic or hazardous contaminants.

### *Baseline Technology*

Corehole drilling with extensive contamination control to retrieve samples for laboratory analysis.

### *Innovative Technology*

The Direct Push Waste Zone Vapor Port Probe is a sampler that is driven into buried waste to retrieve soil vapor samples.

### *Comparison*

This Type B probe is inserted into the waste zone and left in place to retrieve soil vapor samples and eliminate the need for corehole drilling to retrieve soil samples.

### *Benefits*

Use of the vapor port probe and other Type B probes, collectively increase worker safety by avoiding risks associated with handling waste materials, and could save the project an estimated \$8.5 million by eliminating the need for coring sample retrieval.

#### ENVIRONMENTAL RESTORATION PROGRAM

Project: ID-ER-107  
Radioactive Waste Management Complex Remediation

